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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-----------------|-------------|----------------------|---------------------|------------------|
| 10/709,149      | 04/16/2004  | John S. Brant        | 0106162.0527338     | 3148             |

26874 7590 03/21/2007  
FROST BROWN TODD, LLC  
2200 PNC CENTER  
201 E. FIFTH STREET  
CINCINNATI, OH 45202

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| EXAMINER |
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SALATA, ANTHONY J

|          |              |
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| ART UNIT | PAPER NUMBER |
|----------|--------------|

2837

| SHORTENED STATUTORY PERIOD OF RESPONSE | NOTIFICATION DATE | DELIVERY MODE |
|--|-------------------|---------------|
| 3 MONTHS                               | 03/21/2007        | ELECTRONIC    |

**Please find below and/or attached an Office communication concerning this application or proceeding.**

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

Notice of this Office communication was sent electronically on the above-indicated "Notification Date" and has a shortened statutory period for reply of 3 MONTHS from 03/21/2007.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

dbell@fbtlaw.com  
dfranklin@fbtlaw.com  
rgaunce@fbtlaw.com

|                              |                                      |                                       |  |
|------------------------------|--------------------------------------|---------------------------------------|--|
| <b>Office Action Summary</b> | <b>Application No.</b><br>10/709,149 | <b>Applicant(s)</b><br>BRANT, JOHN S. |  |
|                              | <b>Examiner</b><br>Jonathan Salata   | <b>Art Unit</b><br>2837               |  |

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☐ Responsive to communication(s) filed on \_\_\_\_.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-28 is/are pending in the application.  
4a) Of the above claim(s) \_\_\_\_ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 23-28 is/are allowed.
- 6) ☒ Claim(s) 1,3-6 and 10-22 is/are rejected.
- 7) ☒ Claim(s) 2 and 7-9 is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |  |  |
|--|--|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)  | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. ____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)   | 5) <input type="checkbox"/> Notice of Informal Patent Application                      |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)<br>Paper No(s)/Mail Date <u>4-16-04</u> . | 6) <input type="checkbox"/> Other: ____  |

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UNITED STATES DEPARTMENT OF COMMERCE  
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Washington, D.C. 20231

Paper No:20070314

Application No:10/709149

Filing Date: April 16,2004

1. The title of the invention is not descriptive. A new title is required that is clearly indicative of the invention to which the claims are directed. It should be brief but technically accurate and descriptive, preferably from two to seven words. See 37 CFR 1.72(a).

2. The Abstract of the Disclosure is objected to because line 5, "comprises", must be deleted. Correction is required. See M.P.E.P. § 608.01(b).

Applicant is reminded of the proper language and format of an Abstract of the Disclosure.

The abstract should be in narrative form and generally limited to a single paragraph on a separate sheet within the range of 50 to 250 words. It is important that the abstract not exceed 250 words in length since the space provided for the abstract on the computer tape used by the printer is limited. The form and legal phraseology often used in patent claims, such as "means" and "said", should be avoided. The abstract should describe the disclosure sufficiently to assist readers in deciding whether there is a need for consulting the full patent text for details.

The language should be clear and concise and should not repeat information given in the title. It should avoid using phrases which can be implied, such as, "The disclosure concerns," "The disclosure defined by this invention," "The disclosure describes," etc.

3. The disclosure is objected to because of the following informalities: The pages are not numbered.

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Appropriate correction is required.

4. The SUMMARY OF THE INVENTION from paragraphs 5-7 is a verbatim copy of the claims. This does not meet the objectives of the summary in 37 CFR 1.73 which states that "A brief summary of the invention indicating its nature and substance, which may include a statement of the object of the invention, should precede the detailed description." A further elaboration of this is given in MPEP 608.01(d) which states "Since the purpose of the brief summary of invention is to apprise the public, and more especially those interested in the particular art to which the invention relates, of the nature of the invention, the summary should be directed to the specific invention being claimed. That is, the subject matter of the invention should be described in one or more clear, concise sentences or paragraphs." Claims are written in legal language to specify in broad terms the legal limitations of the invention, and are not intended to provide technical information to the public about the nature of the invention.

The first paragraph of 35 U.S.C. 112 states that "The specification shall contain a written description of the invention, and of the manner an process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains". The legal language utilized for claims to set the metes and bounds of the patent protection does not fulfill this requirement. In addition, 37 CFR 1.75 (d) sets up the criteria that the specification is a dictionary for the claims and should provide clear support or antecedent basis for all terms used in the claims. Since the SUMMARY OF THE INVENTION merely duplicates the claims, it is not providing support for the claims.

The second paragraph of 35 U.S.C. 112 states that "The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention". Since the claims are given at the end of the specification, it is redundant and superfluous to include them as part of the summary.

Since rules 37 CFR 1.73 and 37 CFR 1.75 clearly identify the SUMMARY OF THE INVENTION as a section which is separate and distinct from the CLAIMS and the other sections, the intended objective was not to provide an exact copy of the claims in the SUMMARY.

Appropriate correction is required.

5. Claims 10,17-22 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claim 10, method step d) states the cable length is adjusted rather than compensated for.

6. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

7. Claim 1 is rejected under 35 U.S.C. 102(b) as being anticipated by Santini et al (2847091).

Santini et al teaches in figures 1-4A, an elevator leveling system.

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Sensors WAA-WDA determine the weight of the elevator car 1 and provide the information to control system (figure 3). Any suitable load weighing device may be used (col. 5, lines 15-20).

Any conventional distance measuring device (col. 5, lines 35-40), may be utilized to determine the distance between the car and a landing.

Based on the data, the elevator car is leveled or re-leveled in order to compensate for rope stretch.

8. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

9. Claims 3-6 are rejected under 35 U.S.C. 103(a) as being unpatentable over Santini et al and applicants admitted prior art.

Santini et al does not state the type of rope or cable 8.

Applicant states in paragraph 20, that any suitable type of cable system 106 may be utilized including steel and fiber ropes or belts.

Thus, to utilize known types of ropes or belts as stated by applicant would have been an obvious engineering design choice to one of ordinary skill in the art.

10. Claims 2,7-9 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

The calculation of the change in length of the rope/cable or the inferred predicted weight based on elevator operation is not taught or reasonably suggested by the cited art of record.

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11. Claim 10 would be allowable if rewritten or amended to overcome the rejection(s) under 35 U.S.C. 112, 2nd paragraph, set forth in this Office action.

The calculation of the change in length of the rope/cable is not taught or reasonably suggested by the cited art of record.

12. Claims 11-22 would be allowable if rewritten to overcome the rejection(s) under 35 U.S.C. 112, 2nd paragraph, set forth in this Office action and to include all of the limitations of the base claim and any intervening claims.

13. Claims 23-28 are allowed.

The calculation of the change in length of the rope/cable is not taught or reasonably suggested by the cited art of record.

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Hoelscher, Caputo, Berkovitz, Maeda et al., and Sollog are cited to illustrate similar load based leveling systems for elevators.

A shortened statutory period for response to this action is set to expire 3 months from the date of this letter.

Failure to respond within the period for response will cause the application to become abandoned. 35 U.S.C. 133

Any inquiry of a **general nature** should be directed to the **Group receptionist whose telephone number is (571) 272-2800**.

**Information regarding the STATUS of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either private PAIR or public PARI. Status information for unpublished applications is available through Private PAIR ONLY. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Any questions on access to PAIR, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).**

Papers related to this application may be submitted to Group 2800 by facsimile transmission. Papers should be faxed to Group 2800 via the PTO 2800 Fax Center. The faxing of such papers must conform with the notice published in the Official Gazette, 1096 O.G. 30 (November 15, 1989). The Fax Center number is (571) 273-8300.

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For assistance in **Patent procedure, fees or general Patent questions** calls should be directed to the **Inventors Assistance Center (IAC)** whose telephone number is **800-PTO-9199 or 800-786-9199**. Assistance is also available on the Internet at [www.uspto.gov](http://www.uspto.gov).

For requesting copies of Cited Art, Office Actions or the like, response to Status Letters, lost papers or files or General Problem solving, calls should be directed to the TC 2800 Customer Service Office whose telephone number is 571-272-2800 or by fax at 571-273-8300.

Any inquiry concerning **this communication or earlier communications from the examiner** should be directed to **Jonathan Salata whose telephone number is (571) 272-2073**. The examiner does not have as detailed access as the previously listed numbers with regard to status or general problem solving. The examiner can normally be reached on Monday through Thursday from 7:30 am to 2:30 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Lincoln Donovan, can be reached on (571) 272-2800 ext 27.

ajs

March 14, 2007

  
JONATHAN SALATA  
PRIMARY EXAMINER  
ART UNIT 2837